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(54) ABNORMALITY DETECTOR IN LOAD CONTROL DEVICE

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(57) Abstract:

PURPOSE: To judge the abnormality due to the deterioration of load and at the same time improve the judgment accuracy of abnormality.

CONSTITUTION: An ECU 24 is provided with a microcomputer 28, a buffer 29. and a heater conduction circuit 30 and a heater 16 of an

of the transistor Tr1. The shunt a detection voltage VHD at a according to the ON/OFF operation connected in series and at the same comparators 33 and 34. to output signals C1 and C2 of the outputs the judgment result. The connection point P with threshold of the heater 16 as a voltage value. resistor RT detects the current value in series with the heater 16 and in resistance RP, and a transistor Tr1 are 25, the heater 16, a protective heater conduction circuit 30, a battery of the heater 16 and the abnormality RP and the transistor Tr1. The heater parallel with the protective registor oxygen sensor is connected to the in the heater control system according values VTH1 and VTH2 and then 16 is subjected to conduction control time a shunt resistor RT is connected heater conduction circuit 30. In the abnormality due to the deterioration nicrocomputer 28 judges the Also, comparators 33 and 34 compare

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